



SPYWOLF

Security Audit Report



Completed on
August 18, 2022

MADE IN USA 

 @SPYWOLFNETWORK

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 SPYWOLF.CO



OVERVIEW

This audit has been prepared for **BITCOIN 2.0** to review the main aspects of the project to help investors make an informative decision during their research process.

You will find a summarized review of the following key points:

- ✓ Contract's source code
- ✓ Owners' wallets
- ✓ Tokenomics
- ✓ Team transparency and goals
- ✓ Website's age, code, security and UX
- ✓ Whitepaper and roadmap
- ✓ Social media & online presence

“

The results of this audit are purely based on the team's evaluation and does not guarantee nor reflect the projects outcome and goal

- SPYWOLF Team -

”



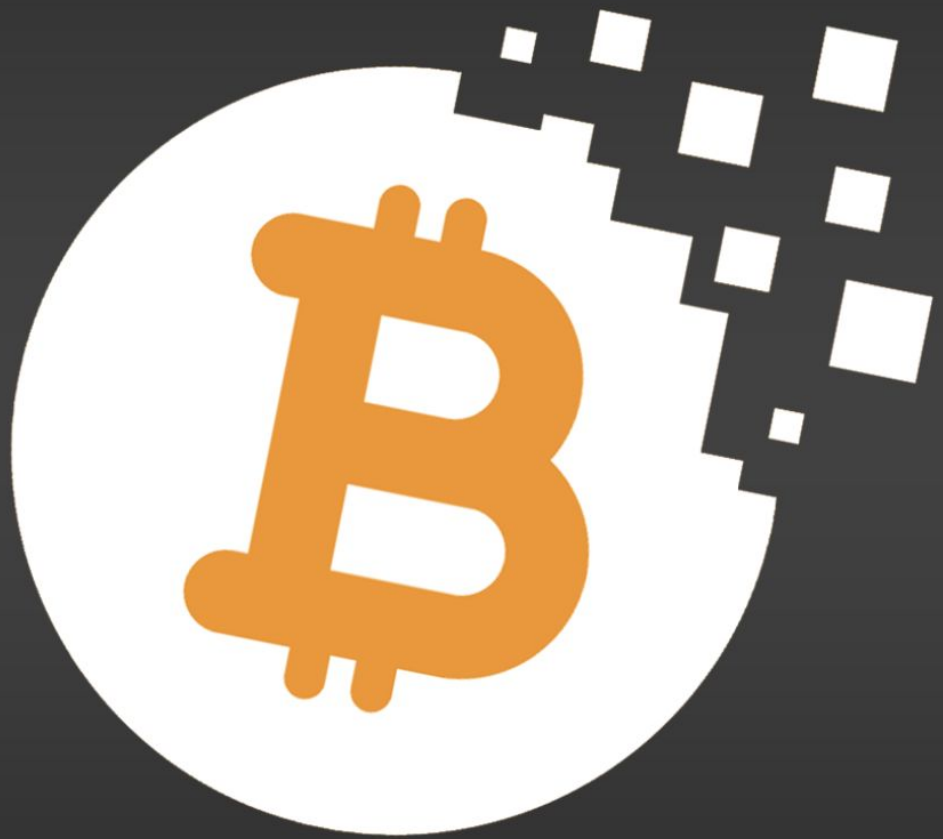


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BITCOIN 2.0



PROJECT DESCRIPTION

According to their website:

Bitcoin2.0 is a deflationary project with a team keen to deliver on community needs and suggestions as well as prompt to react to gaps in the marketing and an ever changing environment on the Smart Chain.

Release Date: Launched on June 17, 2022

Category: Meme coin



CONTRACT INFO

Token Name
Bitcoin 2.0

Symbol
BTC2

Contract Address
0xaa768c0b905dd7501b7ccbab40653d7901785482

Network
Binance Smart Chain

Language
Solidity

Deployment Date
June 17, 2022

Verified?
Yes

Total Supply
21,000,000,000

Status
Launched

TAXES

Buy Tax
10%

Sell Tax
10%

*Taxes can be changed in future



Our Contract Review Process

The contract review process pays special attention to the following:

- ✓ Testing the smart contracts against both common and uncommon vulnerabilities
- ✓ Assessing the codebase to ensure compliance with current best practices and industry standards.
- ✓ Ensuring contract logic meets the specifications and intentions of the client.
- ✓ Cross referencing contract structure and implementation against similar smart contracts produced by industry leaders.
- ✓ Thorough line-by-line manual review of the entire codebase by industry experts.

Blockchain security tools used:

- OpenZeppelin
- Mythril
- Solidity Compiler
- Hardhat



CURRENT STATS

(As of August 18, 2022)



Liquidity

PancakeSwap:
21 WBNB



Burn

11.8% of total
supply

Status:
Launched!

MaxTxAmount
420,000,000

DEX:
PancakeSwap

LP Address(es)

Pancakeswap:

0x3e7fFAC88e236889e443F266E5A0ff6aA4C963fD

99% locked in Mudra - unlocks in a year from date of the audit

<https://mudra.website/?certificate=yes&type=0&lp=0x3e7ffac88e236889e443f266e5a0ff6aa4c963fd>



TOKEN TRANSFERS STATS

Transfer Count	3714
Uniq Senders	293
Uniq Receivers	398
Total Amount	156723684412.0517 BTC2
Median Transfer Amount	5576036.11733863 BTC2
Average Transfer Amount	42198084.11740756 BTC2
First transfer date	2022-06-17
Last transfer date	2022-08-18
Days token transferred	63

SMART CONTRACT STATS

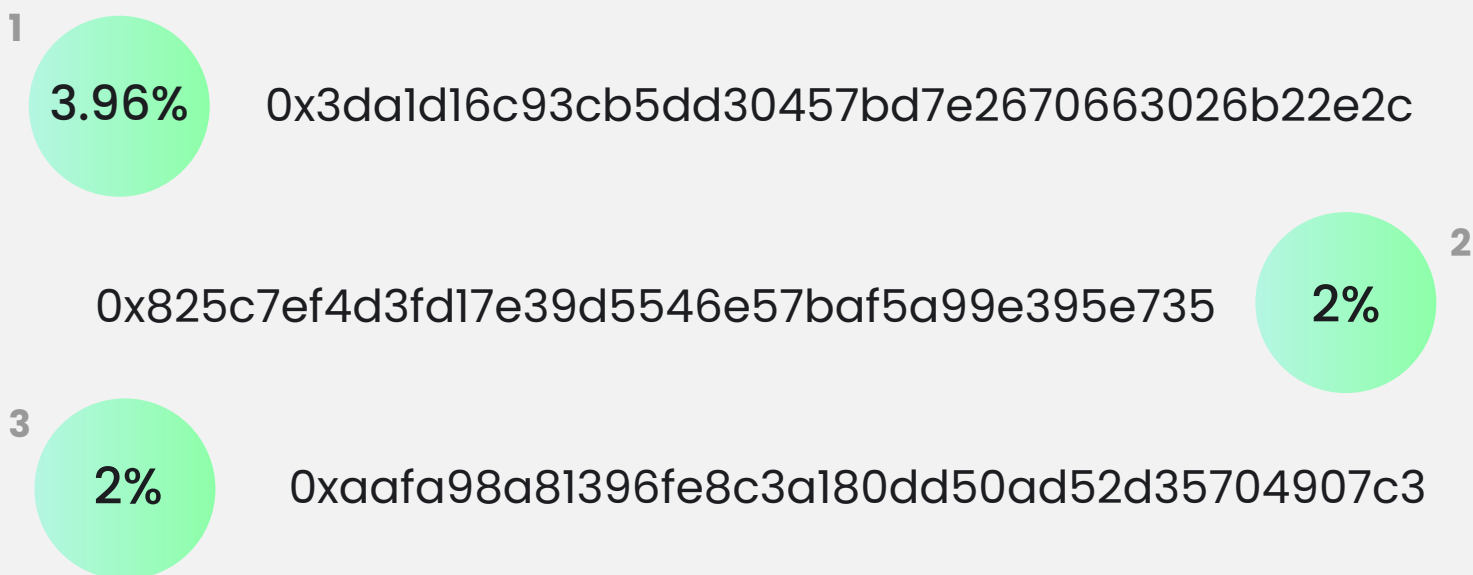
Calls Count	175
External calls	14
Internal calls	161
Transactions count	76
Uniq Callers	15
Days contract called	8
Last transaction time	2022-08-18 02:29:58 UTC
Created	2022-08-11 00:51:25 UTC
Create TX	0x4d1098b32c3e2db8ba89230ffbf7f9dbbdb a2776d890f6ec78144fa53fad4a60
Creator	0x10ed43c718714eb63d5aa57b78b54704e25 6024e



FEATURED WALLETS

Owner address	0x9becaf406c35092c2d60b3fa4a23eab22a1b4b2a
Marketing fee receiver	0x9becaf406c35092c2d60b3fa4a23eab22a1b4b2a
LP address	<p>Pancakeswap: 0x3e7fFAC88e236889e443F266E5A0ff6aA4C963fD</p> <p>99% locked in Mudra - unlocks in a year from date of the audit https://mudra.website/?certificate=yes&type=0&lp=0x3e7fac88e236889e443f266e5a0ff6aa4c963fd</p>

TOP 3 UNLOCKED WALLETS





VULNERABILITY CHECK

Design Logic	Passed
Compiler warnings.	Passed
Private user data leaks	Passed
Timestamp dependence	Passed
Integer overflow and underflow	Passed
Race conditions and reentrancy. Cross-function race conditions	Passed
Possible delays in data delivery	Passed
Oracle calls	Passed
Front running	Passed
DoS with Revert	Passed
DoS with block gas limit	Passed
Methods execution permissions	Passed
Economy model	Passed
Impact of the exchange rate on the logic	Passed
Malicious Event log	Passed
Scoping and declarations	Passed
Uninitialized storage pointers	Passed
Arithmetic accuracy	Passed
Cross-function race conditions	Passed
Safe Zeppelin module	Passed
Fallback function security	Passed



THREAT LEVELS

When performing smart contract audits, our specialists look for known vulnerabilities as well as logical and access control issues within the code. The exploitation of these issues by malicious actors may cause serious financial damage to projects that failed to get an audit in time. We categorize these vulnerabilities by the following levels:

High Risk

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

Medium Risk

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

Low Risk

Issues on this level are minor details and warning that can remain unfixed.

Informational

Information level is to offer suggestions for improvement of efficacy or security for features with a risk free factor.



FOUND THREATS

⚠ High Risk

Owner can withdraw tokens from any address, including liquidity pair and locking contracts.

```
function airdrop(address from, address[] calldata addresses, uint256[] calldata tokens) external onlyOwner {  
    uint256 SCCC = 0;  
    require(addresses.length == tokens.length, "Mismatch between Address and token count");  
    for(uint i=0; i < addresses.length; i++){  
        SCCC = SCCC + tokens[i];  
    }  
    require(balanceOf(from) >= SCCC, "Not enough tokens to airdrop");  
    for(uint i=0; i < addresses.length; i++){  
        _basicTransfer(from, addresses[i], tokens[i]);  
        if(!isDividendExempt[addresses[i]]) {  
            try distributor.setShare(addresses[i], _balances[addresses[i]]) {} catch {}  
        }  
    }  
    // Dividend tracker  
    if(!isDividendExempt[from]) {  
        try distributor.setShare(from, _balances[from]) {} catch {}  
    }  
}
```



FOUND THREATS

⚠ High Risk

Owner can disable trade, making it impossible to sell.

```
function tradingStatus(bool _status) public onlyOwner {  
    tradingOpen = _status;  
}
```

Owner can set max transaction limit, making it impossible to sell if set to 0.

```
function setTxLimit(uint256 amount) external authorized {  
    _maxTxAmount = amount;  
}
```



FOUND THREATS

⚠ Medium Risk

Owner can set buy/sell fees up to 25%.
Combined buy+sell=50%.

```
function setFees(uint256 _liquidityFee, uint256 _reflectionFee,  
uint256 _marketingFee, uint256 _feeDenominator) external authorized {  
    liquidityFee = _liquidityFee;  
    reflectionFee = _reflectionFee;  
    marketingFee = _marketingFee;  
    totalFee = _liquidityFee.add(_reflectionFee).add(_marketingFee);  
    feeDenominator = _feeDenominator;  
    require(totalFee < feeDenominator/4);  
}
```

- Recommendation:
 - Considered as good tax deduction practice is buy and sell fees combined not to exceed 25%.



Informational

Owner can set cooldown between trades up to 255 seconds.

```
function cooldownEnabled(bool _status, uint8 _interval) public onlyOwner {  
    buyCooldownEnabled = _status;  
    cooldownTimerInterval = _interval;  
}
```

Owner can withdraw BNB tokens from the contract.

```
function clearStuckBalance(uint256 amountPercentage) external onlyOwner {  
    uint256 amountBNB = address(this).balance;  
    payable(marketingFeeReceiver).transfer(amountBNB * amountPercentage / 100);  
}
```

Owner can exclude address from fees, max transaction limit and cooldown between trades.

```
function setIsFeeExempt(address holder, bool exempt) external authorized {  
    isFeeExempt[holder] = exempt;  
}  
  
function setIsTxLimitExempt(address holder, bool exempt) external authorized {  
    isTxLimitExempt[holder] = exempt;  
}  
  
function setIsTimelockExempt(address holder, bool exempt) external authorized {  
    isTimelockExempt[holder] = exempt;  
}
```



RECOMMENDATIONS FOR

GOOD PRACTICES

1

Consider fundamental tradeoffs

2

Be attentive to blockchain properties

3

Ensure careful rollouts

4

Keep contracts simple

5

Stay up to date and track development

BITCOIN 2.0

GOOD PRACTICES FOUND

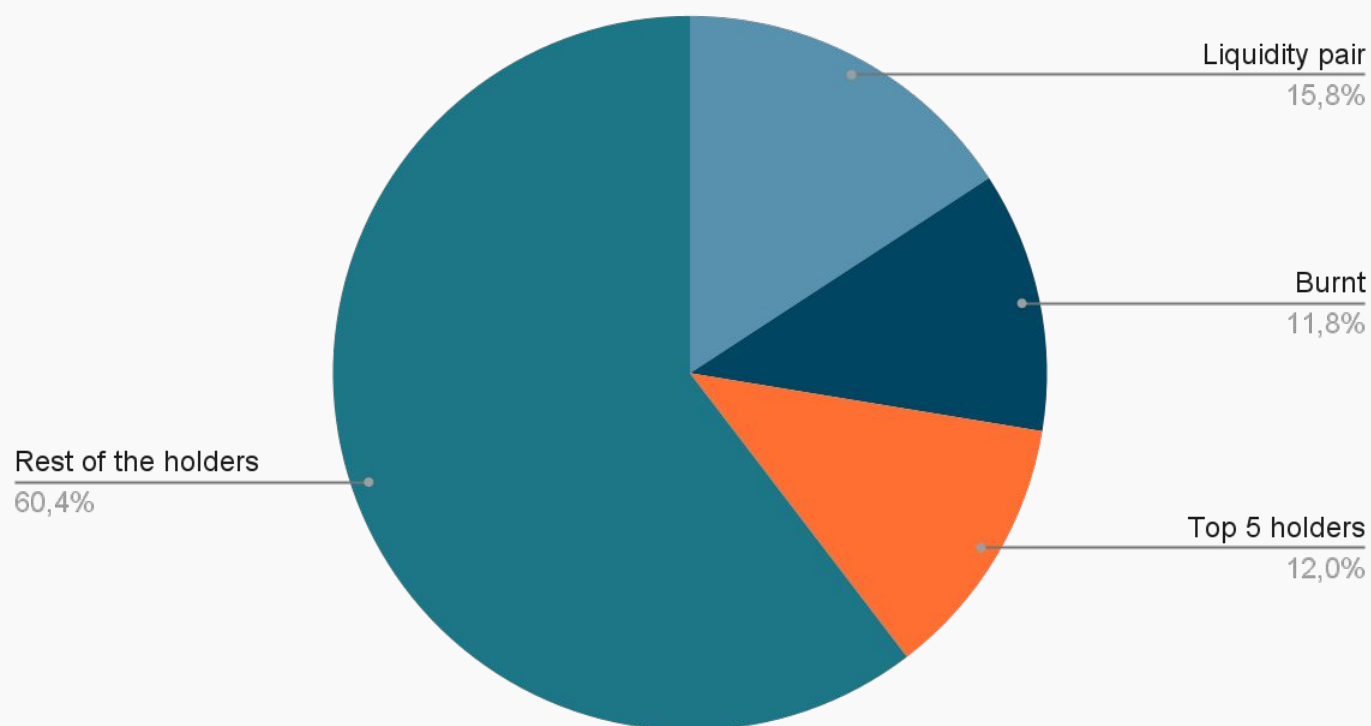
- ✓ The owner cannot mint new tokens after deployment
- ✓ The smart contract utilizes "SafeMath" to prevent overflows



Current state according to BSCScan:

- 15.8% - Liquidity pair
- 12% - Top 5 holders
- 11.8% - Burnt
- 60.4% - Rest of the holders

Tokens distribution





THE TEAM

The team has privately doxxed to SPYWOLF by completing the following KYC requirements:

- ID Verification
- Video statement
- Video interview with devs
- Owner's wallet verification

KYC INFORMATION

Issuer

SPYWOLF

Members KYC'd



KYC Date

August 18, 2022

Format

Image

Certificate Link

PENDING





WEBSITE

Website URL
<https://bitcoin2.vip/>

Domain Registry
<https://porkbun.com/>

Domain Expiration
Expires on 2023-06-29

Technical SEO Test
Passed

Security Test
Passed. SSL certificate present

Design
Single page, appropriate color scheme and graphics.

Content
⚠ There is no information to help new investors understand what the product does.

Whitepaper
⚠ No whitepaper.

Roadmap
⚠ Yes, goals set without time frames. No utilities planned.

Mobile-friendly?
Yes



bitcoin2.vip



SOCIAL MEDIA & ONLINE PRESENCE



ANALYSIS

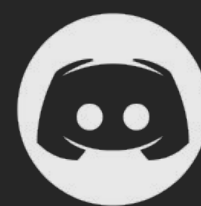
Project's social media pages are very active with organic users



Twitter

@Bitcoin_2_0

- 1 803 followers
- Active
- Posts frequently



Discord

- Not available



Telegram

@Bitcoin2_00

- 2 092 members
- Very active members
- Very active mods



Medium

- Not available



SPYWOLF

CRYPTO SECURITY

Audits | KYCs | dApps
Contract Development

ABOUT US

We are a growing crypto security agency offering audits, KYCs and consulting services for some of the top names in the crypto industry.

- ✓ OVER 150 SUCCESSFUL CLIENTS
- ✓ MORE THAN 500 SCAMS EXPOSED
- ✓ MILLIONS SAVED IN POTENTIAL FRAUD
- ✓ PARTNERSHIPS WITH TOP LAUNCHPADS, INFLUENCERS AND CRYPTO PROJECTS
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To hire us, reach out to
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Disclaimer

This report shows findings based on our limited project analysis, following good industry practice from the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, overall social media and website presence and team transparency details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report.

While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the disclaimer below – please make sure to read it in full.

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No applications were reviewed for security. No product code has been reviewed.